

Product datasheet for **MC220990**

Lifr (NM_001113386) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Lifr (NM_001113386) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Lifr
Synonyms:	A230075M04Rik; AW061234; LIF
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >MC220990 representing NM_001113386
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGGCAGCTTACTCATGGTGGAGACAGCCATCGTGGATGGTAGACAATAAAAGATCGAGGATGACTCCAA
 ACCTGCCATGGCTCCTGTGACGCTCTGACCTCCTGCATCTGACGATGCATGCAAACGGTCTGAAGAGAGG
 GGTACAAGACTTGAAATGCAACAACCAACACATGCGAGTGTGGGACTGCACGTGGCCAGCTCCCCTCGGG
 GTCAGCCCTGGAAGTGTAAAGATATTTGCATTAAGACAGGTTCCATTCTTGTCACCCATTAGAGACAA
 CAAACGTTAAATTCAGCTCTTTCACCTGGTATCACGAAGTACAATAAATTATCTAAATGGCTTTCA
 GAGTAAATTCACGTTGAATGAAAAAGATGTCTTTAATTCAGAGACTCCCAGATCCTGGATTGTCT
 GCTGACTTCTCACCTCCTCTACTACTGAAGTGAACGACAGAGGGTCTGCTCTGCCTCACCCCTCCA
 ATGCCACCTGGGAGATTAAGTTCTACAGAATCCAAGGACGGAACAGTAGCACTCGTGTACTCAACAC
 AATGCTGAGTGGTAAAGATACCGTTCAGCACTGGAAGTGGACCTCAGACCTGCCCTTGAATGTGCCACT
 CACTCGGTGAGCATTGATGGCATTGACTCGCCTCATTCTCCGGTTACAAAGAGTGGAGTACTGGA
 GCCCGCTGAAGAACATCTCCTGGATTCTAATACAGAGACTAATGTTTTCTCAAGACAAAGTGGTGTCT
 CGCAGGCTCAAACATGACAATTTGTTGTATGAGTCCAACGAAAGTCTTTGAGGACAGATCGGCAATACC
 CTTGCTCCTCATCCATCTGTACGGGCAACCGTTGCGATCCATATCCTGAACATCCCCGTTTCTGAAA
 ACAGTGGCACAACATCATTTTCATCACAGACGACGATGTGTACGGAACGGTGGTCTTTGACGGCTATCC
 TCCCGATGTTCTCAGAAGCTGAGCTGTGAGACACATGACTTAAAAGAGATTATGTAGCTGGAATCCA
 GGAAGGATAACTGGACTGGTGGGCCACGAAATACAGAATACACCCTGTTGAAAGCATTTCAGGAAAAAT
 CGGCAGTATTTACAGGATTGAAGGACTTACAACGAGACCTACCGGTTAGGCGTGCAAAATGCATCCCGG
 CCAAGAAATCCATAACTTACCCTGACTGGTCCGAATCCACTGGGCGAGGCACAGTCAGCAGTGGTCATC
 AATGTGACTGAGAGAGTTGCTCCTCATGATCCGACTTCGTTGAAAGTGAAGGACATCAATTAACAGTTG
 TTACATTTTCTGGTATTTACCAGGAAATTTTACAAAGATTAATCTTTTATGTCAAATGAAATTTGTAA
 AGCTAATTCGAAGAAAGAGTGAGGAATGCCACAATCAGAGGAGCCGAGGATTCAACTTACCATGTTGCT
 GTAGACAAATTAATCCATACACTGCATACACTTCCGGGTTGTTGTTCTTCAAGACTTTCTGGAAGT
 GGAGCAGGTGGAGTGTGAGAAGCGACATCTAACCACAGAAGCCACTCCTTCAAAGGACCAGACACTTG
 GAGAGAGTGGAGTCTGATGGAAAAATCTAATCGTCTACTGGAAGCCTTACCTATTAATGAAGCTAAT
 GGAAAAATACTTCTACAATGTTTCGTGTTTCATTGAACGAGGAGACACAGTCAGTTTTGGAGATCTTCG
 ATCCTCAACACAGAGCAGAGATACAGCTTAGTAAAAATGACTACATCATCAGTGTGGTGGCAAGAAATTC
 TGCTGGCTCATCACACCTTCGAAAATAGCTAGTATGAAATCCCAAATGACGACATCACAGTAGAGCAA
 GCGGTGGGGCTAGGAAACAGGATCTTCCCTCACCTGGCGTACGACCCCAACATGACTTGTGACTACGTAA
 TTAATGGTGCAACTCATCTCGGTCTGAGCCCTGCCTCCTGGACTGGAGAAAGGTTCTTCAAACAGCAC
 GGAGACTGTCATAGAGTCTGATCAGTTTCAGCCAGGAGTAAGATACAACTTTTACCTCTATGGGTGCACT
 AACCAGGGATACCAACTGTTACGTTCCATAATTGGATACGTAGAAGAAGTGAAGCT**TAA**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
ACCN: NM_001113386
Insert Size: 2160 bp

OTI Disclaimer: Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).

Components:	The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).
Reconstitution Method:	<ol style="list-style-type: none">1. Centrifuge at 5,000xg for 5min.2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.3. Close the tube and incubate for 10 minutes at room temperature.4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.
RefSeq:	<u>NM_001113386.1</u> , <u>NP_001106857.1</u>
RefSeq Size:	2844 bp
RefSeq ORF:	2160 bp
Locus ID:	16880
UniProt ID:	<u>P42703</u>
Cytogenetics:	15 3.46 cM
Gene Summary:	<p>Signal-transducing molecule. May have a common pathway with IL6ST. The soluble form inhibits the biological activity of LIF by blocking its binding to receptors on target cells. [UniProtKB/Swiss-Prot Function]</p> <p>Transcript Variant: This variant (2) differs in the 5' UTR and includes an alternate exon in the 3' coding region, compared to variant 1. The resulting protein (isoform 2) has a shorter and distinct C-terminus, compared to isoform 1. Sequence Note: This RefSeq record was created from transcript and genomic sequence data because no single transcript was available for the full length of the gene. The extent of this transcript is supported by transcript alignments and orthologous data.</p>